

CLAIMS

What is claimed is:

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1. A gateway, comprising:
- a first communication path to accept a short message from a short message service center;
- a translation module to insert said short message into an HTTP protocol message; and
- 10 a second communication path to transmit said HTTP protocol message to at least one URL.
2. The gateway according to claim 1, wherein:
- said HTTP protocol message is a POST message.
- 15 3. The gateway according to claim 1, wherein:
- said short message originated from a wireless device;
4. The gateway according to claim 1, wherein:
- said short message is received via an RMI callback
- 20 mechanism.
5. The gateway according to claim 1, wherein:
- said second communication path is adapted to transmit said HTTP protocol message to a plurality of URLs.

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6. The gateway according to claim 1, wherein:
said second communication path accepts return results from
said URL;

5 said translation module inserts said return results into a
short message; and
 said first communication path transmits said short message
to said short message service center.

10 7. The gateway according to claim 6, wherein:
said return results conform to HTTP protocols.

15 8. The gateway according to claim 6, wherein:
said first communication path transmits a SUBMIT_SM
message to said short message servicing center.

20 9. A method of communicating between a wireless device
and an application program on an Internet Protocol server, comprising:
 sending a short message from said wireless device to said
Internet Protocol server;
 routing said short message using a wireless protocol
message; and
 conveying said short message to said Internet Protocol
server using an HTTP protocol POST message.

25 10. The method of communicating between a wireless
device and an application program on an Internet Protocol server
according to claim 9, wherein:
 said wireless protocol is SMPP.

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11. The method of communicating between a wireless device and an application program on an Internet Protocol server according to claim 9, wherein:

said wireless protocol is ReFlex.

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12. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 9, wherein:

said SMPP protocol message is a DELIVER_SM message.

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13. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 9, further comprising:

forwarding said routed short message to a gateway using an RMI callback mechanism.

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14. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 9, wherein:

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said short message is sent to a predefined address.

15. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 9, wherein:

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said short message is conveyed to a plurality of Internet Protocol servers using respective HTTP protocol POST messages.

16. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 9, further comprising:

5 returning data back through an HTTP stream established with said HTTP protocol POST message.

17. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 16, further comprising:

10 routing said return data from said HTTP stream to a short message service center using an SMPP protocol message.

18. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 17, wherein:

15 said SMPP protocol message is a SUBMIT_SM message.

19. The method of communicating between a wireless device and an application program of an Internet Protocol server according to claim 18, further comprising:

20 conveying said return data from said short message service center to a wireless device using an IS-41 protocol message.

20. Apparatus for communicating between a wireless device and an application program on an Internet Protocol server, comprising:

means for sending a short message from said wireless device to said Internet Protocol server;

5 means for routing said short message using an SMPP protocol message; and

means for conveying said short message to said Internet Protocol server using an HTTP protocol POST message.

10 21. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 20, wherein:

said SMPP protocol message is a DELIVER_SM message.

15 22. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 20, further comprising:

means for forwarding said routed short message to a gateway using an RMI callback mechanism.

20 23. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 20, wherein:

25 said means for sending sends said short message to a predefined address.

24. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 20, wherein:

5 said means for conveying conveys said short message to a plurality of Internet Protocol servers using respective HTTP protocol POST messages.

25. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 20, further comprising:

means for returning data back through an HTTP stream established with said HTTP protocol POST message.

26. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 25, further comprising:

means for routing said return data from said HTTP stream to a short message service center using an SMPP protocol message.

27. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 26, wherein:

said SMPP protocol message is a SUBMIT_SM message.

28. The apparatus for communicating between a wireless device and an application program of an Internet Protocol server according to claim 27, further comprising:

30 means for conveying said return data from said short message service center to a wireless device using an IS-41 protocol message.

